

TRUSS DESIGN SUBMITTAL PROCESS

I. Current Process:

- a. Since around 1995 plans that are submitted with a registered design professional are allowed to use a truss review waiver.
- b. The registered design professional was then responsible to review the truss designs and place their shop drawing stamp on the truss design by strap and shear inspection for the field inspectors.
- c. The truss designs are not submitted to the city for review.

II. Problem with Process:

- a. The homes we are seeing today are much bigger and more complex, on the average, than they were back then.
- b. Structural reviews are not as complete when there is no truss design to review.
- c. Plan reviewers have more time to review truss designs in a controlled environment than the field inspectors.
- d. The code requires the truss manufacturer to provide truss to truss connections. Some engineers will not indicate these hangers on the plan. This means the hangers must be called out in the truss design. Since the plan reviewers will not review the design, the field inspectors are left to check the hanger size.

III. New Process:

- a. All plans will be submitted with truss designs as a rule.
- b. Plans with a registrant's seal will have an option to use a deferred submittal for truss design review.
- c. The deferred submittal will allow the builders the same benefits (time to select a truss manufacturer) as the truss waiver offered.
- d. Truss design which comes in under a deferred submittal will be reviewed in a timely manner (5 working days).
- e. When truss designs are approved, a copy of the cover sheet and the truss layout sheet will be scanned into the CDS plan folder under the plan check number.
- f. When the inspector receives a request for a strap and shear inspection, the inspector can go to the plan check number in the CDS to see if the house has had the trusses approved before they leave the office if they so desire.
- g. On the job site, the inspectors will only need to look for our building stamp to know if the truss design has been approved. If no stamp, then the inspector can still do the strap and shear inspection and add to his correction list to provide city approved truss designs.
- h. A fee on deferred submittals may encourage applicants to submit truss designs with the initial submittal.